

UTD 982590002



**USEPA REGION VIII  
Wet Chemistry Laboratory  
NARRATIVE SUMMARY**

Received  
Office of Enforcement

MAY 21 1999

Compliance & Env. Justice

**ANALYST:** Vicente C. Marti *mm* **DATE:** December 1, 1998

**PROJECT:** HECLA PONDS

**ANALYTE:** Ammonia-Nitrogen, TSS and Oil & Grease

For the ammonia nitrogen determination of 11-23-98, Alpkem file No. FG8NH there were no significant problems other than the fact that samples from the HECLA project were very high in ammonia-N. HECLA samples did not have Laboratory ID #s, so the sample EPA Tag Nos. were used for sample identification. All ammonia-N data for these samples is valid and show no matrix problems.

~~For the~~ TSS determination there were no problems, other than the fact that the samples arrived two days before the holding time expiration.

Oil and Grease by Freon-113 extractions gave 58.9 mg/L result. Sample (650 mL) was received in a wide mouth jar and properly preserved. The pH of the sample was <2.000 and had very little sedimentation. The sample bottle was rinsed with Freon after the sample was placed in the separatory funnel. No significant emulsion was formed. The Freon solvent had a negligible blank value.

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REGION VIII  
TECHNICAL & MANAGEMENT SERVICES

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LABORATORY SERVICES PROGRAM

CERTIFICATE OF ANALYSIS

SAMPLE NUMBER: 8-175822  
PROJECT: HECLA PONDS  
MATRIX: WATER  
ANALYST : VCM *WMM*  
LAB NUMBER: 98-A001842

DATE-TIME SAMPLED: 11/16/98 15:12  
PROJECT CODE: RCRA  
STATION ID: OMG-1  
ANALYSIS COMPLETE DATE: see below

REMARKS :

METHOD	PARAMETER	RESULT	DATE COMP
160.2	TOTAL SUSPENDED SOLIDS	< 4	11/20/98

NOTE: All Results are in mg/L

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CERTIFICATE OF ANALYSIS

SAMPLE NUMBER: 8-175826  
PROJECT: HECLA PONDS  
MATRIX: WATER  
ANALYST : VCM *WMM*  
LAB NUMBER: 98-A001843

DATE-TIME SAMPLED: 11/16/98 16:15  
PROJECT CODE: RCRA  
STATION ID: OMG-3  
ANALYSIS COMPLETE DATE: see below

REMARKS :

METHOD	PARAMETER	RESULT	DATE COMP
160.2	TOTAL SUSPENDED SOLIDS	49	11/20/98

NOTE: All Results are in mg/L

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LABORATORY SERVICES PROGRAM

CERTIFICATE OF ANALYSIS

SAMPLE NUMBER: 8-175828  
PROJECT: HECLA PONDS  
MATRIX: WATER  
ANALYST : VCM *lmm*  
LAB NUMBER: 98-A001844

DATE-TIME SAMPLED: 11/16/98 17:50  
PROJECT CODE: RCRA  
STATION ID: OMG-5  
ANALYSIS COMPLETE DATE: see below

REMARKS :

METHOD	PARAMETER	RESULT	DATE COMP
160.2	TOTAL SUSPENDED SOLIDS	31	11/20/98

NOTE: All Results are in mg/L

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LABORATORY SERVICES PROGRAM

CERTIFICATE OF ANALYSIS

SAMPLE NUMBER: 8-175768  
PROJECT: HECLA PONDS  
MATRIX: WATER  
ANALYST : VCM *MM*  
LAB NUMBER: 98-A001845

DATE-TIME SAMPLED: 11/18/98 11:50  
PROJECT CODE: RCRA  
STATION ID: OMG-6  
ANALYSIS COMPLETE DATE: see below

REMARKS :

METHOD	PARAMETER	RESULT	DATE COMP
160.2	TOTAL SUSPENDED SOLIDS	11	11/23/98

NOTE: All Results are in mg/L

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CERTIFICATE OF ANALYSIS

SAMPLE NUMBER: 8-175766  
PROJECT: HECLA PONDS  
MATRIX: WATER  
ANALYST : VCM *MM*  
LAB NUMBER: 98-A001846

DATE-TIME SAMPLED: 11/18/98 13:50  
PROJECT CODE: RCRA  
STATION ID: OMG-7  
ANALYSIS COMPLETE DATE: see below

REMARKS :

METHOD	PARAMETER	RESULT	DATE COMP
160.2	TOTAL SUSPENDED SOLIDS	15	11/23/98

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CERTIFICATE OF ANALYSIS

SAMPLE NUMBER: 8-175770  
PROJECT: HECLA PONDS  
MATRIX: WATER  
ANALYST : VCM *mm*  
LAB NUMBER: 98-A001847

DATE-TIME SAMPLED: 11/18/98 14:25  
PROJECT CODE: RCRA  
STATION ID: OMG-9  
ANALYSIS COMPLETE DATE: see below

REMARKS :

METHOD	PARAMETER	RESULT	DATE COMP
160.2	TOTAL SUSPENDED SOLIDS	12	11/23/98

NOTE: All Results are in mg/L

**U.S.E.P.A. REGION VIII  
WET CHEMISTRY LABORATORY  
QUALITY CONTROL SUMMARY**

**ANALYST:** *Vince*  
**PROJECT:** *HECKLA PONDS*

**ANALYTE:** *TSS*  
**DATE:** *11/20/23/98*

SPIKES (mg/L)						
TAG #	LAB ID#	SPIKE AMOUNT	SAMPLE VALUE	SPIKE + SAMPLE	% RECOVERY	LIMITS

*N/A*

DUPLICATES (mg/L)				
TAG #	LAB ID #	SAMPLE VAL.	DUP. VALUE	% RPD
	<i>98-1943</i>	<i>50</i>	<i>48</i>	<i>4.1</i>

BLANKS (mg/L)									
B1	B2	B3	B4	B5	B6	B7	B8	B9	B10
<i>&lt;4</i>									

CONTROLS (mg/L)						ACCEPTANCE LIMITS	
I. D.	TRUE VAL.	RECOVERED	%RECOVERY			LOW	HIGH
<i>N/A</i>							

**REMARKS:**



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Oil and Grease by Freon-113 extractions gave 58.9 mg/L result. Sample (650 mL) was received in a wide mouth jar and properly preserved. The pH of the sample was <2.000 and had very little sedimentation. The sample bottle was rinsed with Freon after the sample was placed in the separatory funnel. No significant emulsion was formed. The Freon solvent had a negligible blank value.

Cover letter  
The same but  
Attached data  
differs

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MATRIX: WATER  
ANALYST : VCM *lcm*  
LAB NUMBER: 98-A001844

DATE-TIME SAMPLED: 11/16/98 17:50  
PROJECT CODE: RCRA  
STATION ID: OMG-5  
ANALYSIS COMPLETE DATE: see below

REMARKS :

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MATRIX: WATER  
ANALYST : VCM *WMM*  
LAB NUMBER: 98-A001843

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PROJECT CODE: RCRA  
STATION ID: OMG-3  
ANALYSIS COMPLETE DATE: see below

REMARKS :

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LAB NUMBER: 98-A001842

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STATION ID: OMG-1  
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CERTIFICATE OF ANALYSIS

SAMPLE NUMBER: 8-175770  
PROJECT: HECLA PONDS  
MATRIX: WATER  
ANALYST : VCM *W*  
LAB NUMBER: 98-A001847

DATE-TIME SAMPLED: 11/18/98 14:25  
PROJECT CODE: RCRA  
STATION ID: OMG-9  
ANALYSIS COMPLETE DATE: see below

REMARKS :

METHOD	PARAMETER	RESULT	DATE COMP
160.2	TOTAL SUSPENDED SOLIDS	12	11/23/98

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SAMPLE NUMBER: 8-175768  
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MATRIX: WATER  
ANALYST : VCM *WMM*  
LAB NUMBER: 98-A001845

DATE-TIME SAMPLED: 11/18/98 11:50  
PROJECT CODE: RCRA  
STATION ID: OMG-6  
ANALYSIS COMPLETE DATE: see below

REMARKS :

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ANALYST : VCM *WMM*  
LAB NUMBER: 98-A001846

DATE-TIME SAMPLED: 11/18/98 13:50  
PROJECT CODE: RCRA  
STATION ID: OMG-7  
ANALYSIS COMPLETE DATE: see below

REMARKS :

METHOD	PARAMETER	RESULT	DATE COMP
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NOTE: All Results are in mg/L

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WET CHEMISTRY LABORATORY  
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**ANALYST:** *Vince*  
**PROJECT:** *HECKLA PONDS*

**ANALYTE:** *TSS*  
**DATE:** *11/20/23/98*

SPIKES (mg/L)						
TAG #	LAB ID#	SPIKE AMOUNT	SAMPLE VALUE	SPIKE + SAMPLE	% RE-COVERY	LIMITS

*N/A*

DUPLICATES (mg/L)				
TAG #	LAB ID #	SAMPLE VAL.	DUP. VALUE	% RPD
	<i>98-1P43</i>	<i>50</i>	<i>48</i>	<i>4.1</i>

BLANKS (mg/L)									
B1	B2	B3	B4	B5	B6	B7	B8	B9	B10
<i>&lt;4</i>									

CONTROLS (mg/L)					ACCEPTANCE LIMITS	
I. D.	TRUE VAL.	RECOVERED	%RECOVERY		LOW	HIGH
<i>N/A.</i>						

**REMARKS:**